

DISK-ANCHORING DEVICE FOR OPTICAL DISK DRIVES

ABSTRACT

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A disk-anchoring device for use in an optical disk drive to receive and locate an optical disk includes a substrate, a clamper, a clamper frame, a clamper holder, an elastic element, a frame clamper and a rack slider. The clamper frame has a first protrusion portion. The rack slider has an inclined portion and a second protrusion portion. The elastic element is elastically positioned on the substrate and can function to press down the clamper frame. When the optical disk is loaded, the rack slider can move to have the first protrusion portion of the clamper frame abut the second protrusion portion of the rack slider. The optical disk positioned in the optical disk drive can then be held elastically and accurately by the clamper, the elastic element, and abutment between the first protrusion portion of the clamper frame and the second protrusion portion of the sliding plate.